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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.	
10/582,598	06/09/2006	Friedhelm Schmitz	2003P08636WOUS	2797	
22116 7590 12/11/2008 SIEMENS CORPORATION INTELLECTUAL PROPERTY DEPARTMENT 170 WOOD A VENUE SOUTH ISELIN, NJ 08830			EXAM	EXAMINER	
			WHITE, D	WHITE, DWAYNE J	
			ART UNIT	PAPER NUMBER	
			3745		
			MAIL DATE	DELIVERY MODE	
			12/11/2008	PAPER	

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

Application No. Applicant(s) 10/582 598 SCHMITZ ET AL. Office Action Summary Examiner Art Unit DWAYNE J. WHITE 3745 -- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --Period for Reply A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS. WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION. Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication. If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication - Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b). Status 1) Responsive to communication(s) filed on 09 June 2006. 2a) This action is FINAL. 2b) This action is non-final. 3) Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under Ex parte Quayle, 1935 C.D. 11, 453 O.G. 213. Disposition of Claims 4) Claim(s) 31-49 is/are pending in the application. 4a) Of the above claim(s) is/are withdrawn from consideration. 5) Claim(s) _____ is/are allowed. 6) Claim(s) 31-44.48 and 49 is/are rejected. 7) Claim(s) 45-47 is/are objected to. 8) Claim(s) _____ are subject to restriction and/or election requirement. Application Papers 9) The specification is objected to by the Examiner. 10)⊠ The drawing(s) filed on 09 June 2006 is/are: a)⊠ accepted or b) objected to by the Examiner. Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a). Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d). 11) The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152. Priority under 35 U.S.C. § 119 12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f). a) All b) Some * c) None of: Certified copies of the priority documents have been received. 2. Certified copies of the priority documents have been received in Application No.

Attachment(s)

1) Molice of References Clied (PTO-892)

2) Notice of Draftsperson's Patent Drawing Review (PTO-948)

3) Notice of Draftsperson's Patent Drawing Review (PTO-948)

3) Notice of Information Disclosure Statement(sty) (PTO/SB/08)

7-Paper No(s) Midal Date (PTO-948)

7-Paper No(s) Midal Date (PTO-948)

7-Paper No(s) Midal Date (PTO-948)

8) Notice of Informati Patent # #ptilication—

9-Paper No(s) Midal Date (PTO-948)

application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Copies of the certified copies of the priority documents have been received in this National Stage

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DETAILED ACTION

Claim Rejections - 35 USC § 102

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless -

(e) the invention was described in a patent granted on an application for patent by another filed in the United States before the invention thereof by the applicant for patent, or on an international application by another who has fulfilled the requirements of paragraphs (1), (2), and (4) of section 371(c) of this title before the invention thereof by the applicant for patent.

The changes made to 35 U.S.C. 102(e) by the American Inventors Protection Act of 1999 (AIPA) and the Intellectual Property and High Technology Technical Amendments Act of 2002 do not apply when the reference is a U.S. patent resulting directly or indirectly from an international application filed before November 29, 2000. Therefore, the prior art date of the reference is determined under 35 U.S.C. 102(e) prior to the amendment by the AIPA (pre-AIPA 35 U.S.C. 102(e)).

Claims 31-39, 41, 42 and 49 are rejected under 35 U.S.C. 102(e) as being anticipated by Schmitz (6,755,613). Schmitz discloses a steam turbine component assembly, comprising: an inner housing 121 having a surface exposed to a high temperature operating environment and an opposite surface exposed to a lower temperature operating environment where the higher temperature environment is over 600 degrees C (Column 8, lines 1-8); an outer housing 122 that surrounds the inner housing; and a thermal barrier coating 82 having a pre-selected porosity, thickness and material composition applied to the higher temperature surface effective to control thermal deformation of the inner and outer housings relative to each other. The Examiner notes that any thermal barrier coating would have a porosity, thickness and material composition and

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therefore the Examiner holds the position that the coating of Schmitz would have those properties pre-determined prior to applying the coating to the steam turbine component. Schmitz also disclose the substrate being ferritic (iron) based.

Schmitz further discloses applying the coating at locations where components are exposed to the steam. The Examiner notes that claims 34 and 37-41 cite particular location where the coating is applied. Since this is viewed as intended use and Schmitz discloses that the coating can be applied in various locations it is the position of the Examiner that Schmitz reads on Applicant's intended use claims.

The applied reference has a common assignee with the instant application. Based upon the earlier effective U.S. filing date of the reference, it constitutes prior art under 35 U.S.C. 102(e). This rejection under 35 U.S.C. 102(e) might be overcome either by a showing under 37 CFR 1.132 that any invention disclosed but not claimed in the reference was derived from the inventor of this application and is thus not the invention "by another," or by an appropriate showing under 37 CFR 1.131.

Claim Rejections - 35 USC § 103

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.

Claims 43-44 are rejected under 35 U.S.C. 103(a) as being unpatentable over Schmitz in view of Beele (5,740,515). Schmitz discloses all of the claimed as stated in the 102(e) rejection made above except for the coating comprising Zirconium oxide or titanium oxide.

Beele teaches a thermal barrier coating comprising zirconium oxide layer 2 and an intermediate layer 4 comprising the composition of MCrAIX, where M is iron cobalt or nickel and X is yttrium. Since it is well known in the turbine art to use thermal barrier coatings and both Schmitz and Beele disclose coatings applied to turbine components in high temperature settings, it would have been obvious at the time the invention was made to one of ordinary skill in the art to provide a coating as taught by Beele to the turbine component of Schmitz for the purpose of protecting the component from thermal stresses.

CONCLUSION

Allowable Subject Matter

Claims 45-47 are objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims.

Contact Information

Any inquiry concerning this communication or earlier communications from the examiner should be directed to DWAYNE J. WHITE whose telephone number is (571)272-4825. The examiner can normally be reached on 7:00 am to 3:30 pm M-F.

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If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Edward Look can be reached on (571) 272-4820. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

/Dwayne J White/ Examiner, Art Unit 3745

DJW